植物分类学报 38(6):573~574(2000)
Acta Phytotaxonomica Sinica

吉林省蓝柄藻属一新种

肖洪兴　　　　　盛彦敏
(东北师范大学生命科学学院　长春 130024)　(长春教育学院生物系　长春 130061)

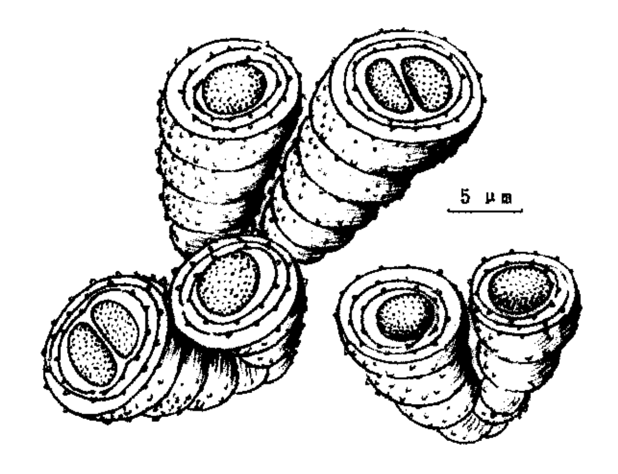
A new species of *Cyanostylon* from Jilin, China

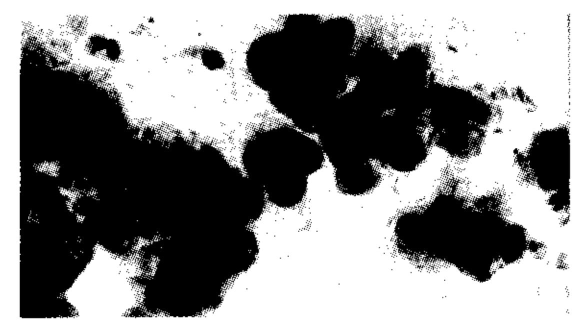
XIAO Hong-Xing
(*School of Life Science, Northeast Normal University*, Changchun 130024)
SHENG Yan-Min
(*Department of Biology, Changchun Educational College*, Changchun 130061)

Key words *Cyanostylon*; *C. alpina* H. X. Xiao et Y. M. Sheng; New species; Jilin, China
关键词 蓝柄藻属; 高山蓝柄藻; 新种; 中国吉林

高山蓝柄藻 新种 图 1

Cyanostylon alpina H. X. Xiao et Y. M. Sheng, sp. nov. Fig. 1





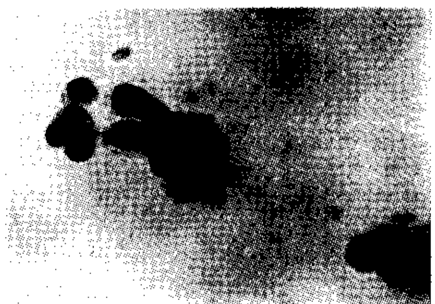


图 1 高山蓝柄藻的原植体。
Fig. 1 Thallus of *Cyanostylon alpina* H. X. Xiao et Y. M. Sheng (×330)

1999-04-05 收稿, 2000-06-05 收修改稿。

Species nova cauliculis et tegumentis aurantiacis vel rubiginosis a congeneribus diversa.

Massa plantae crustacea, dura, aurantiaca vel rubiginosa; cellulae sphaericae, subsphaericae vel hemisphaericae, praeter tegumenta 2 ~ 3.3 μm diam., cum tegumentis 4 ~ 6.6 μm diam, in cacuminibus cauliculorum gelatinosorum, brevium, crassorum, aurantiacorum vel rubiginosorum sitae, cellula singulari vel cellulis 2 in consortio, tegumentis firmis, aurantiacis vel rubiginosis, lamellosis, papillosis in paginis; cauliculus cylindricus, singularis, dichotomus vel multifurcatus; cellulae intus homogeneae, caeruleo-virides.

China. **Jilin** (吉林): Mt. Changbai (长白山), alt. 220 m, on rocky surface, 1987-07, H. X. Xiao (肖洪兴), j8701045 (holotype, NETU).

植物团块为坚韧的小皮壳状堆积体,橘黄色或棕红色。细胞球形、近球形或半球形,直径为2~3.3 μm,包括胶被时直径为4~6.6 μm,细胞位于橘黄色或棕红色的胶质柄的顶端,细胞单个或2个细胞聚集成小群体,胶被坚固,橘黄色或棕红色,具明显的层理,胶被表面具有微小乳头状突起。胶质柄圆柱形,不分叉,双叉或多叉,层理明显。细胞内含物均匀,蓝绿色。

本种以其橘黄色或棕红色的胶质柄、胶被及胶被表面具有微小乳头状突起而与此属的其它种类明显不同(见表1)。

表1 高山蓝柄藻与该属其它种的比较

Table 1 Comparison of *Cyanostylon alpina* with other species in the genus *Cyanostylon*

性 状 Characters	微胞蓝柄藻 *C. microcystoides*	巨大蓝柄藻 *C. gigantea*	中华蓝柄藻 *C. sinensis*	紫色蓝柄藻 *C. purpurea*	高山蓝柄藻 *C. alpina*
细胞直径 diameter of cell (μm)	2.5~3	(20)46.8~52.5	2.5~9	0.2~1.5	2~3.3
原生质体 protoplast	蓝绿色,均匀 blue-green, homogeneous	黄褐色、橘红色至棕红色,具小颗粒体 yellowish-brown, reddish-orange to brown-red, granulose	橄榄绿色或亮绿色,均匀或具微小颗粒体 olive green or light green, homogeneous or granulose	棕红色或紫蓝色,具颗粒体 brown-red or blue, granulose	蓝绿色,均匀 blue-green, homogeneous
胶被 gelatinous envelope	无色透明 colorless	无色透明,具层理,表面光滑 colorless, lamellar, smooth	无色或淡绿色,表面光滑 colorless, light green, smooth	无色,具层理,表面光滑 colorless, lamellar, smooth	橘黄色或棕红色,表面具乳头状突起 orange or brown-red, papillate
胶质柄颜色 color of handle	无色 colorless	无色 colorless	无色 colorless	无色 colorless	橘黄色或棕红色 orange or brown-red

(责任编辑 徐黎)